

Message Text

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ACTION EB-07

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 TRSE-00 EUR-12

ERDA-05 ISO-00 EA-06 ACDA-05 /036 W

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TO SECSTATE WASH DC 7544

INFO USAF AVIONICS COMD WPAFB OH

C O N F I D E N T I A L SECTION 01 OF 03 OECD PARIS 15415

EXCON

E.O. 11652 XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW: 1564 - INTEGRAT-
ED CIRCUITS

REFS: A. STATE 135614

B. OECD PARIS 15251

WPAFB FOR STEENBERGEN

SUMMARY: IN VIEW OF THE SERIOUSNESS WITH WHICH OTHER
DELEGATIONS TOOK THE REPUDIATION OF THE US ROUND II
POSITIONS ON THIS ITEM (SEE ALSO REF B), WE ARE PRO-
VIDING IN THIS MESSAGE THE ADVANCE TEXT OF THEIR
STATEMENTS, WHICH WILL BE INCORPORATED IN DUE COURSE IN
THE COCOM RECORD OF DISCUSSION. WE DO THIS BOTH TO UN-
DERSCORE THE ADVERSE REACTIONS CAUSED BY REF A AND TO
MAKE THESE STATEMENTS AVAILABLE TO OFFICIALS WHO WOULD
NOT NORMALLY RECEIVE COCOM DOCUMENTS. IN ADDITION, THE
TECHNICAL COMMENTS OF THE FRENCH DELEGATION SHOULD BE
TAKEN INTO ACCOUNT IN THE PREPARATION OF THE JUSTIFICA-
TION MEMORANDUM REQUESTED BOTH IN REF B AND IN THE DELE-
GATION COMMENTS REPRODUCED BELOW. END SUMMARY.

1. THE STATEMENTS BELOW WERE MADE ON JUNE 11 BY VARI-

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OUS COCOM DELEGATES AFTER THE USDELEGATE INFORMED THE

COMMITTEE OF THE CONTENTS OF PARAS 1 AND 3 OF REF A,
AND ARE FROM AN ADVANCE DRAFT PROVIDED BY THE SECRETARY.
IT IS POSSIBLE THAT THE FINAL VERSION OF THE RE-
CORD OF DISCUSSION, COCOM DOC REV (74) 1564/6, MAY WELL
REFLECT MODIFICATIONS BY OTHER DELEGATES TO SOFTEN SOME-
WHAT THEIR CRITICISM (THIS HAS HAPPENED FROM TIME TO
TIME IN THE PAST DURING THE CLEARANCE PRO-
CESS), BUT WE THOUGHT IT WOULD BE USEFUL FOR WASHING-
TON RECIPIENTS TO HAVE THE FLAVOR OF THE STATEMENTS AS
MADE IN PARAGRAPHS 2-12, BELOW.

2. THE ITALIAN DEL COULD SEE NO POINT IN CONTINUING THE
DISCUSSION AFTER THE STATEMENT JUST MADE BY THE UNITED
STATES DEL. THEY COULD ONLY SUGGEST THAT DELEGATIONS
SHOULD INDICATE WHERE THEIR MOST IMPORTANT PROBLEMS LAY
AND THAT A TECHNICAL WORKING GROUP SHOULD BE HELD AT THE
BEGINNING OF THE FOURTH ROUND TO REVIEW THE ISSUES
RAISED. HE STRESSED THAT THE PROBLEMS HERE WERE TECHNI-
CAL AND THAT, SINCE A NUMBER OF DELEGATIONS WERE WITHOUT
EXPERTS DURING THIS THIRD ROUND, IT WAS NOT POSSIBLE TO
ENTER INTO SUCH DISCUSSION AT PRESENT.

3. THE FRENCH DELEGATION ENDORSED THE ITALIAN DELE-
GATION'S STATEMENT. THEY WERE LESS ENTHUSIASTIC ABOUT
HOLDING A TECHNICAL WORKING GROUP, HOWEVER, SINCE IN
THEIR EXPERIENCE THE RESULTS ACHIEVED THEREIN COULD BE
TREATED WITH CONTEMPT.

4. THE BELGIAN DEL LIKEWISE ADVOCATED PUTTING AN IMMEDI-
ATE STOP TO THE DISCUSSION OF THIS ITEM DURING THE THIRD
ROUND, ESPECIALLY SINCE THE USDEL WERE NOT EVEN SURE THAT
THEY WOULD BE ABLE TO TABLE THEIR MEMORANDUM
IN TIME FOR THE FOURTH ROUND.

5. THE NETHERLANDS DEL STRESSED THAT, WITH THE USDEL'S
CHANGE OF POSITION THEIR INSTRUCTIONS WERE NO LONGER
APPROPRIATE (OFF THE RECORD, THE DUTCH DEL STATED HE HAD
RECEIVED INSTRUCTIONS TO CONFIRM PREVIOUS AD REF AGREE-
MENTS AND NOT TO STAND IN THE WAY OF UNAMINITY ON OTHER
PROPOSALS). THEY MUST STATE A GENERAL RESERVATION ON THE
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WHOLE ITEM AND WERE AFRAID THAT THEY MIGHT HAVE TO RE-
SERVE ON SOME OF THEIR PREVIOUS AGREEMENTS. THEY COULD
SEE NO POINT IN CONTINUING THE DISCUSSION AT THIS TIME,
SINCE THEY WERE UNABLE TO COOPERATE IN THE REACHING OF
AGREEMENTS.

6. THE UKDEL WISHED TO MAKE A STATEMENT WHICH THEY FELT
SURE THEIR AUTHORITIES WOULD ENDORSE AND WHICH THEY URGED

THE USDEL TO REPORT TO THEIR GOVERNMENT. THEY FELT THAT
THE COMMITTEE HAD BEEN DAMAGED BY WHAT HAD HAPPENED DUR-

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ING THE PRESENT DISCUSSION, AND WERE AMAZED AT WHAT AP-
PEARED TO BE A RADICAL VOLTE-FACE ON THE PART OF
THE US AUTHORITIES. AFTER A BRIEF EXAMINATION OF THE
CHANGES PROPOSED, THE LATTER WOULD SEEM TO BE CONSIDER-
ABLE BOTH IN EXTENT AND NATURE. WHAT WOULD NOW APPEAR
TO HAVE HAPPENED WAS THAT THE CONSTRUCTIVE WORK
UNDERTAKEN DURING THE FIRST AND SECOND ROUNDS IN THE
FULL COMMITTEE, IN THE TECHNICAL WORKING GROUPS AND
BILATERALLY HAD BEEN LARGELY UNDERMINED.
THE UKDEL HAD THOUGHT THAT THE TWG HELD DURING THE FIRST
ROUND HAD BEEN VERY USEFUL AND HAD PARTICIPATED IN IT
WHOLEHEARTEDLY, AS HAD OTHER DELS. THEY HAD FELT THAT
TANGIBLE RESULTS HAD BEEN ACHIEVED AND HAD UNDERSTOOD
THAT OTHER MEMBER COUNTRIES CONSIDERED THAT A LARGE MEA-
SURE OF AGREEMENT HAD BEEN REACHED. IF THE DECISIONS
TAKEN IN THE FIRST AND SECOND ROUNDS WERE NOW OF NO VA-
LUE, THIS WOULD INTRODUCE AN ELEMENT OF UNCERTAIN-
TY INTO THE COMMITTEE'S WORK WHICH COULD ONLY BE DAMA-
GING. AS TO THE NEED TO POSTPONE FURTHER STUDY UNTIL
THE FOURTH ROUND, THEY COULD BUT AGREE THAT NO OTHER
COURSE WAS OPEN. THIS WAS DONE NOT SO MUCH DUE TO THE

FACT THAT TECHNICAL DISCUSSION WAS NECESSARY (SINCE THE
FACT THAT CERTAIN DELEGATIONS WERE NOT ASSISTED BY
EXPERTS DID NOT NECESSARILY PRESENT SUCH STUDY) AS TO
THE CONSIDERABLE CONSEQUENCES OF THE US AUTHORITIES'
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CHANGE OF MIND. IN THAT CONTEXT, THE UKDEL WOULD HAVE
TO INSIST ON RECEIVING A FULL WRITTEN STATEMENT EXPLAIN-
ING THE PRESENT US POSITION AND PROVIDING JUSTIFICATION
THEREFOR, TOGETHER WITH AN EXPLANATION WHY THE US AU-
THORITIES NO LONGER HELD THE POSITIONS EXPRESSED DURING
THE SECOND ROUND. THE UKDEL FOR THEIR PART REGRETTED
THE WASTE OF TIME, THEY REGRETTED THE US AUTHORITIES'
CHANGE OF MIND AND THEY COULD NOT UNDERSTAND
WHY THE LATTER HAD RETRACTED THEIR EARLIER AGREEMENTS.
AS TO THE CONVENING OF A TWG, THEY AGREED WITH THE
ITALIAN DEL THAT SUCH DISCUSSION MIGHT BE NECESSARY,
BUT, LIKE THE FRENCH DEL, THEY WERE SOMEWHAT SKEPTICAL
ABOUT THE IMPLEMENTATION OF ANY RESULTS ACHIEVED THERE-
IN.

7. THE FRENCH DEL BELIEVED THAT THE UKDEL HAD EXPRESSED
THE SENTIMENTS OF ALL DELS AND HAD LITTLE TO ADD ON THE
GENERAL PLANE. THEY FULLY ENDORSED THE STATEMENT JUST
MADE AND WISHED FOR THEIR PART TO MAKE SOME TECHNICAL
COMMENTS. IN THE FIRST PLACE THE USDEL HAD SPOKEN OF
DIGITAL CIRCUITS BUT HAD MADE NO MENTION OF LINEAR CIR-
CUITS. THEY PRESUME THAT ADDITIONAL INFORMATION
WOULD BE FORTHCOMING IN THIS CONNECTION AND RECALLED THE
LENGTHY TECHNICAL MEETINGS HELD ON THIS SUBJECT SINCE
THE BEGINNING OF THE 1974 LIST REVIEW. THE UKDEL HAD
TABLED A COMPREHENSIVE PROPOSAL ON MARCH 13 WHICH ALL
DELS HAD AGREED TO TAKE AS A BASIS FOR DISCUSSION.
FURTHERMORE WHEN THE METHOD OF MEASUREMENT INVOLVING
PROPAGATION DELAY TIME, POWER DISSIPATION AND SPEED/
POWER PRODUCT IN PICOJOULES HAD BEEN STUDIED, IT HAD
APPEARED TO BE ACCEPTABLE TO ALL. HOWEVER, IT WOULD
NOW SEEM THAT DIFFERENT SPECIFICATIONS MUST BE FOUND.
THE DEL COULD BUT REGRET THAT, AFTER TWO TWG MEETINGS
AND AFTER THE CONSIDERABLE EFFORT MADE BY THE UKDEL
IN TABLING THEIR MOST VALID PROPOSAL, THIS WHOLE PRIN-
CIPLE HAD TO BE RECONSIDERED ESPECIALLY SINCE THEY
HAD NOTED NO DIVERGENCE OF VIEWS AT THE TIME OF THE
TWG'S. THE DELEGATION WERE MOREOVER SURPRISED TO SEE
THAT THE USDEL NOW WISHED TO REFORMULATE THE METHOD OF
CALCULATION AND THE DEFINITION OF A LOGIC FAMILY, AND
TO SPECIFY A COMPLEXITY LIMIT. THEY ALSO NOTED THAT
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THE USDEL WISHED TO REVIEW ITEMS IN THE DIGITAL MOS AREA AND INTENDED TO TABLE A MEMO ON THE WHOLE QUESTION SUBSEQUENTLY. THEY THEMSELVES WERE ASTONISHED BECAUSE ALL THESE ELEMENTS, MEASUREMENT AND CALCULATION METHODS, FAMILY, ETC. ALREADY EXISTED IN THE COMMITTEE'S DEFINITIONS AND ALSO IN THOSE OF OTHER ORGANIZATIONS. THE DEL CITED THE NATO SPECIFICATION NETR-8. RETURNING IN PARTICULAR TO THE QUESTION OF COMPLEXITY LIMITS, THE DEL DID NOT AGREE THAT THE SPEED/POWER PRODUCT WAS NOT APPLICABLE TO SOME CIRCUITS: WHILE IT WAS TRUE THAT THE ILL FAMILY FOR INSTANCE HAD NO BASIC GATE, THE FIGURE OF MERIT CONCERNED COULD STILL BE CALCULATED. MOS CIRCUITS, WHETHER P OR N CHANNEL, AND C-MOS WERE WELL KNOWN, AND DESIGNATIONS LIKE 74 L OR 74 LS WERE INTERNATIONALLY RECOGNIZED. THE DEL THEREFORE FELT THAT IT SHOULD BE POSSIBLE TO ESTABLISH A DEFINITION ON SUCH WELL-KNOWN INTERNATIONAL BASES. LASTLY THEY TRUSTED

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THAT THE US PAPER WOULD BE AVAILABLE FOR STUDY BEFORE THE FOURTH ROUND OF DISCUSSION.

8. THE JAPANESE DEL WERE LIKEWISE ASTONISHED AT THE NEW POSITION TAKEN BY THE USDEL AND FELT THAT SUCH ACTION MIGHT WELL DETRACT FROM THE CREDIBILITY OF THE COMMITTEE. IT WAS THE LAST THING THEY WOULD HAVE EXPECTED SINCE THE US WAS A LEADING COUNTRY IN THE COMMITTEE. IF IT WERE NOW POSSIBLE FOR A COUNTRY TO CHANGE ITS POSITION ARBITRARILY, THE COMMITTEE'S CREDIBILITY COULD BUT SUFFER THEREUPON. THE DEL THEREFORE HOPED THAT THE USDEL WOULD NOT ACT SIMILARLY ON OTHER ITEMS. THEY FULLY SHARED THE UKDEL'S VIEWS AND WOULD BE GLAD TO HEAR THE REASONS AND JUSTIFICATION FOR THE US CHANGE OF POSITION.

9. THE CANADIAN DEL HAD LITTLE TO ADD AND SHARED THE VIEWS EXPRESSED BY MOST DELS. THEY REGRETTED THE DELAYS, ESPECIALLY SINCE THE CANADIAN AUTHORITIES WERE UNDER CONSIDERABLE PRESSURE TO BRING THE LR TO A SPEEDY CONCLUSION. THEY BELIEVED THAT THE IMPLICATIONS OF THE CHANGE IN POSITION ON THE PART OF THE USDEL WERE CONSIDERABLE. THEIR AUTHORITIES WOULD WISH TO STUDY THE NEW SITUATION ARISING AND THE DEL WOULD ASK THE US DEL TO SUBMIT A MEMO EXPLAINING IN FULL WHY THEY HAD

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TAKEN SUCH A STEP.

10. THE GERMAN DEL FULLY SHARED THE CONCERNS EXPRESSED REGARDING THE NEGATIVE ATTITUDE TAKEN BY THE US DEL, WHICH MADE THE SOLUTION OF ITEM 1564 DURING THE PRESENT LR HIGHLY UNLIKELY. THE INTRODUCTION OF NEW CONDITIONS IN THE THIRD ROUND WOULD ENTAIL DETAILED TECHNICAL DISCUSSION. THEY WOULD PROBABLY BE PREPARED TO TAKE PART IN SUCH DISCUSSION, BUT FOR THE TIME BEING THEY COULD BUT EXPRESS THEIR DISAPPOINTMENT AND SEEK NEW INSTRUCTIONS ONCE THE USDEL HAD TABLED THEIR MEMO.

11. USDEL UNDERTOOK TO REPORT THE COMMENTS MADE TO THEIR AUTHORITIES. THE WOULD CONTINUE TO STUDY THE PROBLEM AND HOPED TO HAVE A BETTER CONSOLIDATED POSITION BEFORE THE FOURTH ROUND.

12. THE CHAIRMAN NOTED THAT THE COMMITTEE HAD AGREED NOT TO DISCUSS ITEM 1564 FURTHER DURING THE THIRD ROUND Owing TO THE NEW SITUATION ARISING OUT OF THE US DEL'S CHANGE IN POSITION.

13. AFTER THE MEETING, THE FRENCH EXPERT (FOUILLART OF THE TECHNICAL DEPARTMENT OF THE GOF AVIATION TELECOMMUNICATIONS SERVICE) POINTED OUT THAT HIS STATEMENTS ON THE INTERNATIONALLY-AGREED NATURE OF MICROCIRCUIT

MEASUREMENT TECHNIQUES, DEFINITIONS, ETC. WERE AMPLY FOUND IN DOCUMENTS OF GROUP CE 47 OF THE IEC, NATO'S AC67/SWG 13 (THEIR DOCUMENT IS CITED ABOVE), AND SIMILAR BODIES. HE CITED REICH OF FORT MONMOUTH AS ONE US SPECIALIST IN THIS FIELD WHO SHOULD BE FAMILIAR WITH THESE DOCUMENTS SINCE HE IS ALSO CHAIRMAN OF "EXPERT GROUPS FOR COMPONENTS", PROBABLY IN THE NATO CONTEXT.

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